

METHOD AND APPARATUS FOR MOLDING A PLATE

ABSTRACT

A method and apparatus for molding a plate having highly detailed surface features from a thermosetting resin with a high concentration of a filler such as graphite. The method and apparatus provides for the formation of a preform of casting material and the placement of the material in a cavity mold which is precisely temperature controlled, has vacuum assist operating throughout the molding operation. The molding pressure is rapidly increased to flow the material through the molding cavity prior to the onset of curing and uniquely positioned ejector pins are provided for removal of the molded plate without damage to the detailed surface features.

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